

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/780,410	02/17/2004	Kenneth C. Miller	DRICE	1297
7590 12/09/2005			EXAMINER	
Walt Froloff			KWON, JOHN	
273D Searidge Rd Aptos, CA 95003			ART UNIT PAPER NUMBER 3747	

DATE MAILED: 12/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

TWA

Supplemental Notice of Allowability

		,	
Application No.	Applicant(s)		
10/780,410	MILLER ET AL.		
Examiner	Art Unit		
John T. Kwon	3747		

			1
	John T. Kwon	3747	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to			
2. The allowed claim(s) is/are <u>1-11</u> .			
3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the:			
 Certified copies of the priority documents have 	e been received.		
Certified copies of the priority documents have	e been received in Application No	·	
3. Copies of the certified copies of the priority do	cuments have been received in this i	national stage applica	tion from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			•
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of this application.	complying with the re	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		948) attached	
1) hereto or 2) to Paper No./Mail Date		•	
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date		office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the
Attachment(s) 1. Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application (PT	O-152)
2. \square Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary		
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	Paper No./Mail Dat 08), 7. ⊠ Examiner's Amendn	e nent/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	 Examiner's Stateme Other 	ent of Reasons for Allo	wance
·	ə. 🔲 Ottlet		

Art Unit: 3747

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The reasons for the allowance of the claims is that the provision of each cylinder unit having a programmable software logic switch for selecting a first stroke sequence for combusting a compressed air-fuel mixture for a power stroke and for selecting a second stroke sequence for expelling compressed air for alternate use (as described in the applicant's specification, page 24), a switching means under computer control is not taught nor rendered obvious over the prior art references.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John T. Kwon whose telephone number is (571) 272-4846. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on (571) 272-4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/780,410

Art Unit: 3747

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John T. Kwon Primary Examiner Page 3

Art Unit 3747

December 6, 2005